

1. JP:2867062;B

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CLAIMS

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(57) [Claim(s)]

[Claim 1] The paper cutting machine which prepares a support in the both-sides side of a paper cutting base possible [ rotation ], carries out fixed support of the rail at this support, considers as the position from which the aforementioned rail separates from the edge of a paper cutting base when a support is rotated for the rotation supporting point of the aforementioned support outside to a paper cutting base, equips the aforementioned rail with a cutter head possible [ sliding ], and prepares and changes a drawer to a paper cutting base.

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[Translation done.]

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## DETAILED DESCRIPTION

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### [Detailed Description of the Invention]

#### (Field of the Invention)

this invention relates to improvement of the paper cutting machine used as an office machine.

#### (Prior art)

As the paper cutting machine used as a conventional office machine is shown in a view 11, a rail 2 is formed in the unilateral of the paper cutting base 1, and this rail 2 is supported using the support 3 attached in the paper cutting base 1 possible [ rotation ] by the pin 4. Moreover, the cutter electrode holder 5 (refer to JP,1-132394,U) is formed in the rail 2 possible [ sliding ] along with the rail 2. Use of this paper cutting machine raises the cutter electrode holder 5 in the original position, after inserting the paper which pushes down the cutter electrode holder 5 in the direction of 5' (left) shown by the imaginary line, and is cut from the direction of arrow I with the left hand, as the cutter electrode holder 5 is grasped from a view [ A ] 11 side with the right hand to a paper cutting machine and it is shown in a view 9, it makes a cutter electrode holder 5 meet a rail 2, slides, and cuts paper.

Moreover, a left-handed man raises the cutter electrode holder 5 in the original position, after inserting the paper which pushes down the cutter electrode holder 5 in the direction of 5' (right) which grasps the cutter electrode holder 5 from a view [ B ] 11 side with the left hand to a paper cutting machine, and is shown by the imaginary line, and is cut from the direction of arrow I with the right hand, he makes the cutter electrode holder 5 meet a rail 2, slides, and cuts paper.

#### (Object of the Invention)

In the above-mentioned conventional example, when cutting paper, a cutter electrode holder is grasped with the right hand, and since it is pushed down leftward as a wrist is twisted, there is a problem of a right-hand neck being in an unnatural state, and being hard to deal with it. Moreover, since it moves it to right as a cutter electrode holder is grasped with the left hand similarly in a sinistral and it twists a wrist, there is same problem. Next, since a cutter electrode holder is on a paper cutting base in carrying out machining etc. on a paper cutting base, it is inconvenient for making a paper cutting machine inside-out, and becoming the rear face inclining and unstable, and a cutter electrode holder machining [ in / a floor line 6 / as \*\*\*\*\* ] machining, as the occupancy area on a paper cutting base becomes narrow, and there is fault of being hard to do machining and it is shown in the 10th view. Moreover, since the cutter electrode holder has projected the style of pacing 7 of a cutting machine on the paper cutting base, it becomes large, it has the problem that inventory storage of a warehouse takes a latus space, and has the problem of taking large storage space domestic or in an office similarly.

this invention offers the paper cutting machine which made the style of pacing small and made the space of storage and receipt small while receiving the user-friendliness at the time of paper cutting or machining.

#### (The means for solving a technical problem)

When a support is prepared in the both-sides side of a paper cutting base possible [ rotation ], fixed support of the rail carries out at this support and a support rotates for the rotation supporting point of the aforementioned support outside to a paper cutting base, it carries out as the position from which it separates from the edge of a paper cutting base, it equips possible [ sliding of a cutter head ] to the aforementioned rail, and the aforementioned rail prepares and changes a drawer to a paper cutting base in the means concerning this invention for

#### (Operation)

Since this invention was constituted in this way, when cutting paper, the cutter electrode holder with which the rail was equipped is grasped, and it rotates through a support on the outside of a paper cutting base. Since it comes to rotate leftward when this rotation operation comes to rotate rightward when for example, a cutter electrode holder is grasped with the right hand, and it grasps with the left hand, there is no unnatural place in operation of the wrist at that time. Moreover, it is possible for a paper cutting base to become level, when it sets on a desk, since the cutter electrode holder and rail which rotated separated from the edge of a paper cutting base, and for a cutter electrode holder and a

rail not to be on a paper cutting base, and to be able to use by using the whole surface of a paper cutting base as a machining base, and to also use the whole surface of the rear face of a paper cutting base as a machining base. And a style of pacing becomes small by making a load in the figure placed on the desk.

(Example)

One example of this invention is explained below. A check bolt 9 is screwed in the stop hole 10 which inserted the support 8 in the ends of the rail 2 after equipping the paper cutting base 7 with the cutter electrode holder 5 first at a rail 2, as shown in a view 1, inserted the check bolt 9 in the hole 801 of a support 8, and was opened in the both sides of the paper cutting base 7, a support 8 is attached possible [ rotation on the paper cutting base 7 ], and it is equipped with a rail 2. The position of this stop hole 10 is opened in the position from which the rail 2 by which fixed support was carried out comes to separate from the edge of the paper cutting base 7 in a support 8 when a support 8 rotates outside to the paper cutting base 7 focusing on a check bolt 9. The cutter mat 13 is formed in the paper cutting base 7, and according to the width of face of a rail 2, the notch 701 is formed so that the inferior surface of tongue of a rail 2 may touch this cutter mat 13. Moreover, the drawer hole 10 which pulls out on both sides of the paper cutting base 7, and inserts 11 is formed. In this example, although this drawer 11 is formed in the both sides of the paper cutting base 7, it may be pulled out so that it can pull out from the direction of an arrow (b) and a (c), and may prepare 11.

As shown in a view 5, the cross-section configuration of a rail 2 bends the upper part circularly, forms the guidance wall 202 in a soffit perpendicularly, and forms radii also in the lower part symmetrically with up radii, the guide rail 201 of C typeface is formed perpendicularly, a flange 203 forms the inferior surface of tongue, and it is the level surface. Moreover, as shown in the 6th view, the interior 501 of a proposal of an analog is formed in the cutter electrode holder 5 to the guide rail 201 of a rail 2. As a support 8 is shown in a view 7 and an octavus view, the fixed part 802 of an analog is formed to the guide rail 201 of a rail 2. And the step 803 is formed, in order to secure a crevice 13 between the sides of the paper cutting base 7, when a fixed part 802 is inserted in the guide rail 201 of a rail 2 and is equipped with a rail 2 by the paper cutting base 7. Next, the scale 14 slid so that the guide slot 15 and the slit 16 for a guide may be formed in the front face of the paper cutting base 7, it may be inserted in this guide slot 15 and the slit 16 for a guide and it may double with a graduation 17, as shown in the 2nd view is formed. On the other hand, the cutter mat is prepared in the rear face of the paper cutting base 7.

An operation of this example constituted as mentioned above is explained below. In assembling a cutting machine in a view 1 first, the interior 501 of a proposal of the cutter electrode holder 5 is fitted into the guide rail 201 of a rail 2, the cutter electrode holder 5 is inserted in a rail 2, and, next, it inserts the fixed part 802 of a support 8 in the guide rail 201 of a rail 2. And a support 8 is attached in the side of the paper cutting base 7 free [ rotation by the check bolt 9 ]. Thus, the state where it was assembled is shown in a view 2. Next, in cutting paper, for example, in the 2nd view, the cutter electrode holder 5 is held with the right hand from the A side of a paper cutting machine, and it inserts the paper which rotates and cuts a support 8 on right-hand side from a scale 14 side with the left hand. And after setting paper according to a scale 14, the cutter electrode holder 5 is raised, the cutter electrode holder 5 is slid along with a rail 2, and paper is cut.

Although the above-mentioned explanation explained the case where the cutter electrode holder 5 was operated with the right hand, when operating the cutter electrode holder 5 with the left hand from the B side of a paper cutting machine, it holds the cutter electrode holder 5 with the left hand, and inserts the paper which rotates and cuts a support 8 on left-hand side from a scale 14 side with the right hand. And after setting paper according to a scale 14, the cutter electrode holder 5 is raised, the cutter electrode holder 5 is slid along with a rail 2, and paper is cut.

Thus, since it rotates a support 8 on right-hand side in operating the cutter electrode holder 5 with the right hand, and it rotates a support 8 on left-hand side in operating it with the left hand, there is no unnaturalness which is twisted in the hand of operating the cutter electrode holder 5.

Next, in using the paper cutting base 7 as a machining base, as shown in a view 3, the cutter electrode holder 5 is turned to the outside of the paper cutting base 7, and it rotates to the position of 5'. Thereby, since a rail 2 is stopped so that it may separate from the edge of the paper cutting base 7, and the hole 10 is formed, when the paper cutting base 7 is placed on desk six, the cutter electrode holder 5 also becomes the same flat surface as the paper cutting base 7, and the paper cutting base 7 is placed horizontally. And since the cutter electrode holder 5 is in the position from which it separated from the paper cutting base 7, it becomes possible to use the paper cutting base 7 whole as a machining base. Moreover, as shown in the 4th view, even when making the paper cutting base 7 inside-out and using the rear face 18 as a machining base, the cutter electrode holder 5 is located in the outside of the paper cutting base 7, and the paper cutting base 7 is placed at a level with desk six. And if for example, the cutter sheet is stuck on the rear face 18, in addition, it is convenient. And a ruler required for machining, a cutter knife or a writing implement, etc. can be put in in a drawer 11.

Next, as shown in a view 3 or the 4th view, where the cutter electrode holder 5 is rotated, it is boxed and kept, or as

shown in the 1st view , it decomposes, and the style of pacing when keeping it in the warehouse etc. as a warehoused item can also be kept. Moreover, domestic and in an office, as shown in a view 3 or the 4th view , where the cutter electrode holder 5 is rotated, it contains.

(Effect of the invention)

According to this invention, fixed support of the rail is carried out at the support prepared in the both-sides side of a paper cutting base possible [ rotation ] as explained in full detail above. Since it considered as the position from which a rail separates from the edge of a paper cutting base when a support was rotated for the rotation supporting point of this support outside to a paper cutting base Unnaturally, the hand of operating a cutter electrode holder can also improve the user-friendliness at the time of machining while it does not become but improves the user-friendliness at the time of paper cutting, it can make a style of pacing small further, and can make the space of storage and receipt small. And since the drawer was prepared in the paper cutting base, the function as a business-machine machine can be improved much more.

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[Translation done.]

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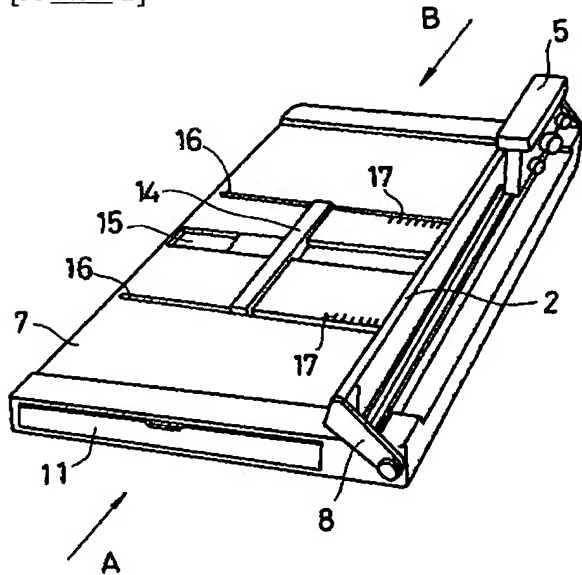
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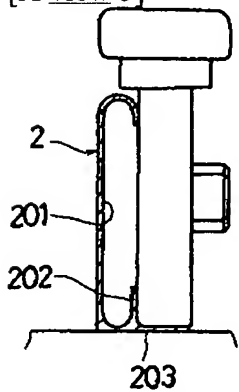
DRAWINGS

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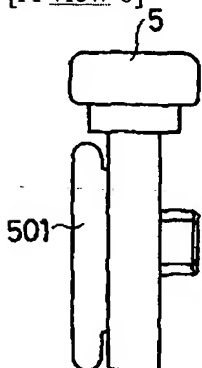
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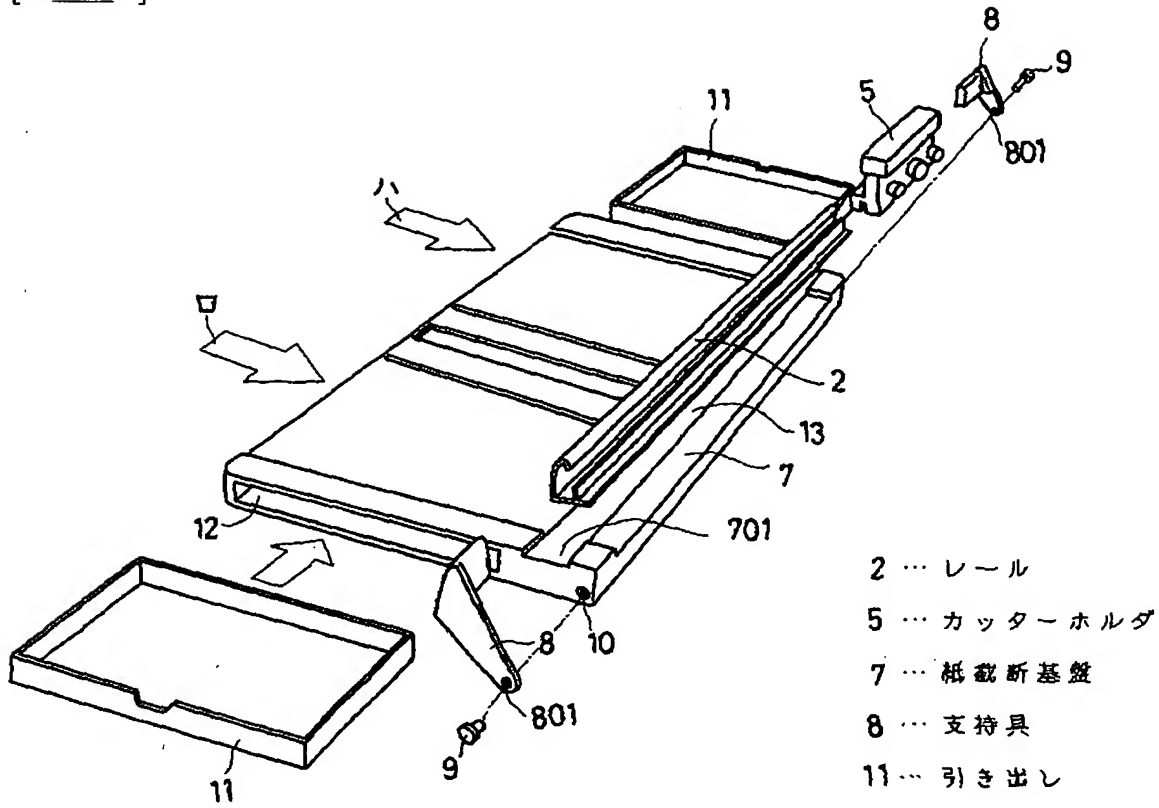
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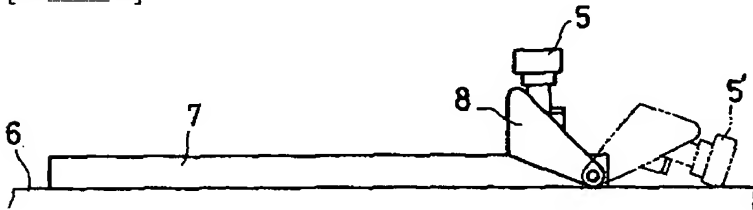
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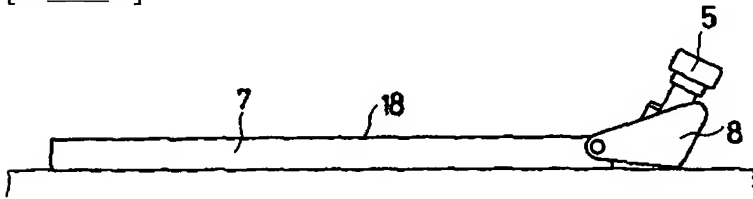
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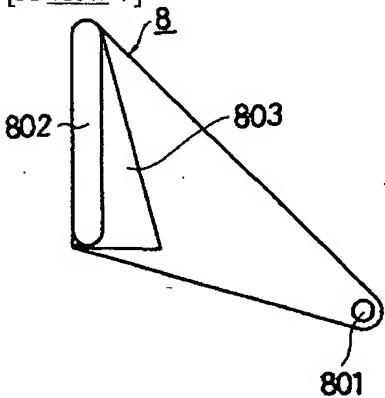
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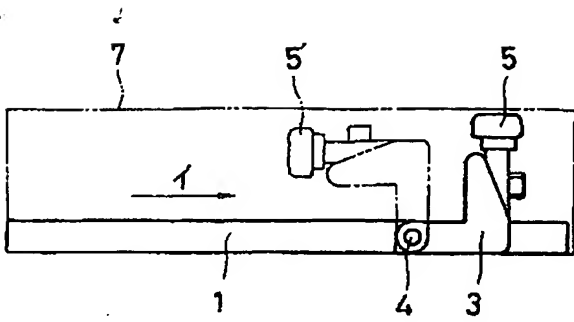
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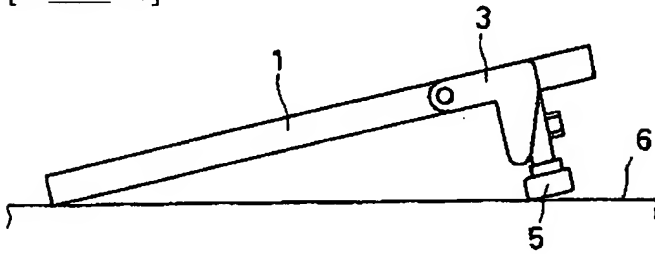
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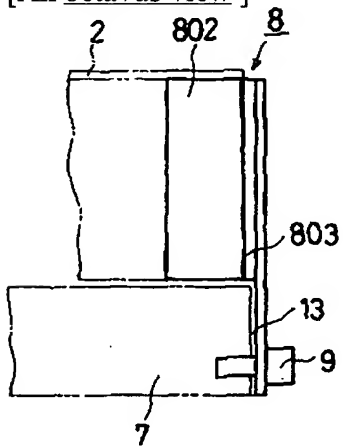
[A view 9]



[A view 10]



[An octavus view ]



[A view 11]

